

1 What is claimed is:

1 1. A method for remotely power cycling a peripheral data storage system
2 from a host system, the method comprising:

3 powering-up the peripheral data storage system from the host system
4 based on a host-scheduled backup operation;
5 transmitting pre-selected data to the peripheral data storage system from
6 the host system based on the host-scheduled backup operation; and
7 powering-down the peripheral data storage system from the host system
8 based on the host-scheduled backup operation.

1 2. The method of claim 1, wherein the powering-up is performed periodically
2 at a pre-scheduled time corresponding to the host-scheduled backup operation.

1 3. The method of claim 1, wherein the powering-up further comprises:
2 transmitting a power-up command to the peripheral data storage system for
3 powering-up of the peripheral storage system.

1 4. The method of claim 1, wherein the powering-down further comprises:
2 transmitting a power-down command to the peripheral data storage system
3 for powering-down of the peripheral storage system.

1 5. The method of claim 1, wherein the powering-up further comprises:
2 supplying operating power to the peripheral data storage system from the
3 host system.

1 6. The method of claim 5, wherein the powering-down further comprises:
2 ceasing the supplying of operating power to the peripheral data storage
3 system from the host system.

1 7. The method of claim 1, wherein the powering-down further comprises:
2 determining if the transmitted pre-selected data were stored in the peripheral
3 data storage system prior to the powering-down the peripheral storage system.

1 8. The method of claim 1, wherein the peripheral data storage system
2 comprises a peripheral data storage device, a peripheral system controller, and a peripheral
3 system controller host interface adapted for communication with the host system.

1 9. The method of claim 8, wherein the powering-up comprises powering-up
2 the peripheral storage device.

- 1 10. The method of claim 8, wherein the powering-down comprises powering-
2 down the peripheral storage device.
- 1 11. The method of claim 9, wherein the powering-up further comprises:
2 transmitting a power-up command to the peripheral data storage system for
3 powering-up of the peripheral data storage device.
- 1 12. The method of claim 11, wherein the power-up command causes the
2 peripheral data storage system to supply power to the peripheral data storage device from
3 an external power supply source.
- 1 13. The method of claim 10, wherein the powering-down further comprises:
2 transmitting a power-down command to the peripheral data storage system
3 for powering-down of the peripheral data storage device.
- 1 14. The method of claim 13, wherein the power-down command causes the
2 peripheral data storage system to cease a supplying of power to the peripheral data storage
3 device from an external power supply source.
- 1 15. The method of claim 8, wherein the peripheral data storage system comprises
2 an external disk drive system and wherein the peripheral data storage device is a disk drive.
- 1 16. The method of claim 1, wherein the host system comprises a host data storage
2 system and wherein the pre-selected data resides in the host data storage system.
- 1 17. The method of claim 1, further comprising: configuring the host-scheduled
2 backup operation in the host system prior to the powering-up.
- 1 18. The method of claim 17, the configuring further comprising:
2 pre-selecting a portion of host data for the host-scheduled backup operations
3 of the selected portion to the peripheral data storage system.
- 1 19. The method of claim 1, wherein the host system is adapted for communication
2 with the peripheral data storage system via a universal serial bus (USB) cable.
- 1 20. The method of claim 1, wherein the host system is adapted for communication
2 with the peripheral data storage system via a Firewire™ cable.

1 21. A method of operating a peripheral data storage system for use with a host
2 system configured to perform scheduled backup operations to the peripheral data storage
3 system, the peripheral data storage system comprising a peripheral data storage device, a
4 peripheral data storage system controller, and a peripheral data storage controller host
5 interface adapted for communication with the host system, the method comprising:

6 powering-up the peripheral data storage system based on a host-scheduled
7 backup operation;

8 receiving data from the host system for storing in the peripheral data
9 storage device; and

10 powering-down the peripheral data storage system based on the host-
11 scheduled backup operation.

1 22. The method of claim 21, wherein the powering-up is performed periodically
2 at a pre-scheduled time corresponding to the host-scheduled backup operation.

1 23. The method of claim 21, wherein the powering-up further comprises:
2 receiving a power-up command from the host system for powering-up of the
3 peripheral data storage system.

1 24. The method of claim 21, wherein the powering-down further comprises:
2 receiving a power-down command from the host system for powering-down
3 of the peripheral data storage system.

1 25. The method of claim 21, wherein the powering-up further comprises:
2 receiving operating power from the host system.

1 26. The method of claim 25, wherein the powering-down further comprises:
2 ceasing the receiving of operating power from the host system.

1 27. The method of claim 21, wherein the powering-down further comprises:
2 determining if the received data were stored in the peripheral data storage
3 device prior to the powering-down the peripheral data storage system.

1 28. The method of claim 21, wherein the powering-up comprises powering-up
2 the peripheral data storage device.

1 29. The method of claim 28, wherein the powering-down comprises powering-
2 down the peripheral data storage device.

1 30. The method of claim 28, wherein the powering-up further comprises:

2 receiving a power-up command from the host system for powering-up of the
3 peripheral data storage device.

1 31. The method of claim 30, wherein the power-up command causes the
2 peripheral data storage system to supply power to the peripheral data storage device from
3 an external power supply source.

1 32. The method of claim 27, wherein the powering-down further comprises:
2 receiving a power-down command from the host system for powering-down
3 of the peripheral data storage device.

1 33. The method of claim 32, wherein the power-down command causes the
2 peripheral data storage system to cease a supplying of power to the peripheral data storage
3 device from an external power supply source.

1 34. The method of claim 21, wherein the peripheral data storage system comprises
2 an external disk drive system and wherein the peripheral data storage device is a disk drive.

1 35. The method of claim 21, wherein the peripheral data storage controller
2 host interface is adapted for communication with the host system via a universal serial
3 bus (USB) cable.

1 36. The method of claim 21, wherein the peripheral data storage controller
2 host interface is adapted for communication with the host system via a Firewire™ cable.

1 37. The method of claim 21, wherein the peripheral data storage system controller
2 is a bridge controller and wherein the peripheral data storage controller host interface is a
3 bridge controller host interface.